

## Abstract

A method for realizing QoS guarantee in a MPLS network, a method for establishing a QoS data path, a method for terminating QoS data transmission, an edge router for a MPLS network and a MPLS network for realizing QoS guarantee are provided. The method for realizing QoS guarantee in a MPLS network includes: creating individual QoS resource list in each edge router to record resource state corresponding to a path; the each edge router assigning resources to a user terminal which makes a request based on the QoS resource list and updating the QoS resource list.